

DERWENT-ACC-NO: 2001-263937
DERWENT-WEEK: 200511
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TITLE: Fat metabolizer useful for reducing body fat, comprises fats and oils consisting of preset amount of diglyceride and/or monoglyceride containing preset content of omega three type unsaturated acyl group

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PATENT-ASSIGNEE:

ASSIGNEE	CODE
KA0 CORP	KA0S

PRIORITY-DATA: 1999JP-239970 (August 26, 1999), 1999JP-220012 (August 3, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
<u>JP</u> <u>2001064672 A</u>	March 13, 2001	JA
<u>US</u> <u>20030072858</u> <u>A1</u>	April 17, 2003	EN
<u>US</u> <u>6762203</u> <u>B2</u>	July 13, 2004	EN
<u>US</u> <u>20040151824</u> <u>A1</u>	August 5, 2004	EN
<u>US</u> <u>6852758</u> <u>B2</u>	February 8, 2005	EN

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP2001064672A	August 26, 1999	1999JP-239970	
US 6762203B2	January 2, 2002	2002US-032493	
US20030072858A1	February 4, 2002	2002US-061286	
US 6852758B2	February 4, 2002	2002US-061286	
US20040151824A1	January 22, 2004	2004US-761358	

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS <u>A21 D</u> <u>13/00</u>		20060101
CIPS <u>A21 D</u> <u>2/16</u>		20060101
CIPS <u>A23 D</u> <u>9/00</u>		20060101

CIPS A23 D 9/007 20060101
 CIPS A23 D 9/007 20060101
 CIPS A23 D 9/013 20060101
 CIPS A23 L 1/24 20060101
 CIPP A23 L 1/30 20060101
 CIPS A23 L 1/30 20060101
 CIPS A61 K 31/202 20060101
 CIPS A61 K 31/23 20060101
 CIPS A61 P 3/04 20060101
 CIPS A61 P 3/06 20060101
 CIPS C11 C 3/00 20060101
 CIPS C11 C 3/06 20060101
 CIPS C11 C 3/06 20060101
 CIPS C11 C 3/10 20060101

RELATED-ACC-NO: ##2001-202762 2007-408711

ABSTRACTED-PUB-NO: JP 2001064672 A

BASIC-ABSTRACT:

NOVELTY - A fat metabolizer comprises fats and oils consisting of 5 weight% (wt.%) or more of diglyceride and/or monoglyceride containing omega 3 type unsaturated acyl group content of 15 wt.% or more.

USE - For reducing fat in internal organs, such as intraperitoneum and liver, which causes obesity, diabetes mellitus, hyperlipidemia, hepatic disorders and hypertension.

ADVANTAGE - The fat metabolizer ingested in very small amount efficiently reduces body fat, without changing eating habits of the persons. The metabolizer efficiently reduces visceral fat and neutral fat in blood, improves liver function by efficiently reducing liver fat, and is safe.

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EQUIVALENT-ABSTRACTS:

(In weight parts) Linseed oil (180) and glycerol (12) were mixed, and transesterified for 4 hours under reduced pressure at 100 degrees Centigrade. The obtained product was fractionated. Subsequently, triglyceride (36.8), diglyceride (61.3), monoglyceride (0.5), free fatty acids (0.8) and glyceride polymer (0.6) were mixed to obtain fats and oils. 3 healthy male persons (A, B, C) (32-37 years old) were ingested with the obtained fats and oils filled in a soft capsule, at a dosage of 1 g/day for 6 weeks, without changing the eating habits. After 6 weeks, body mass index (BMI), body fat rate and waist size in (A), (B) and (C) were measured. (A) in the beginning showed 25.1 kg, 25.3% and 87.4 cm, respectively, and after 6 weeks showed 24.8 kg, 24.5% and 86.1 cm, respectively. (B) in the beginning showed 23.6 kg, 24.0% and 85.5 cm, respectively, and after 6 weeks showed 22.9 kg, 23.4% and 84.7 cm, respectively. (C) in the beginning showed 24.2 kg, 24.8% and 88.1 cm, respectively, and after 6 weeks showed 23.5 kg, 24.1% and 86.3 cm, respectively. Thus, the results

obtained showed that BMI, body fat rate and waist size were efficiently reduced without changing the eating habits of the persons.

TITLE-TERMS: FAT USEFUL REDUCE BODY COMPRISE OIL CONSIST PRESET AMOUNT CONTAIN
CONTENT OMEGA THREE TYPE UNSATURATED ACYL GROUP

DERWENT-CLASS: B05 D13 D23

CPI-CODES: B10-E04C; B10-G02; B14-E12; B14-F02B; B14-F06; B14-N12; B14-S04;
D03-H01T2; D10-A06;

CHEMICAL-CODES:

Chemical Indexing M2 *01*

Fragmentation Code

H401 H402 H481 H482 H714 H721 H722 H723 J0 J011

J012 J013 J2 J271 J272 J273 M210 M211 M212 M213

M214 M215 M216 M220 M221 M222 M223 M224 M225 M226

M231 M232 M233 M262 M281 M282 M283 M313 M321 M332

M342 M343 M383 M391 M416 M620 M781 P526 P721 P731

P814 P816

Markush Compounds

015193701

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: 2005-170734